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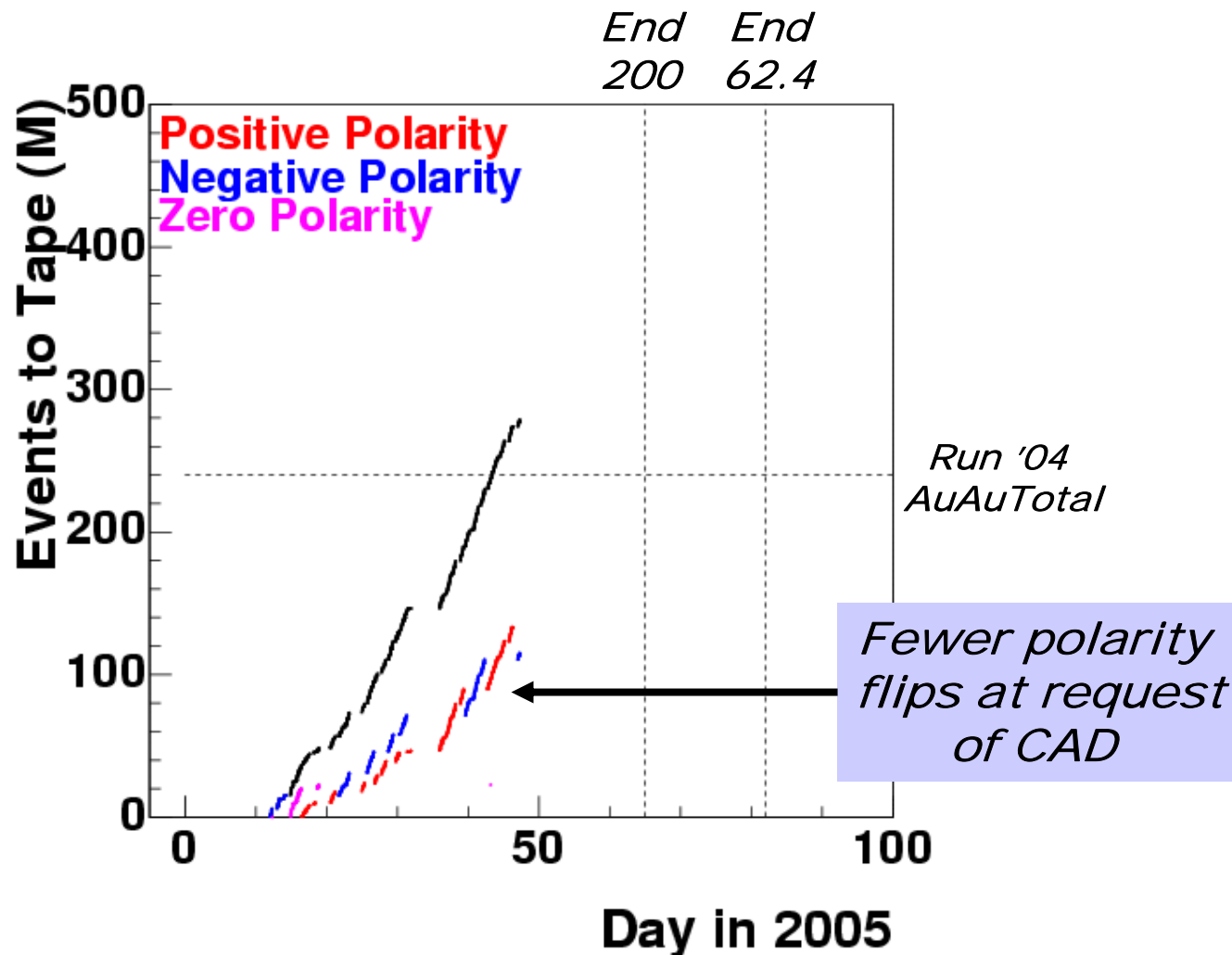
# PHOBOS

## Run 5 Progress

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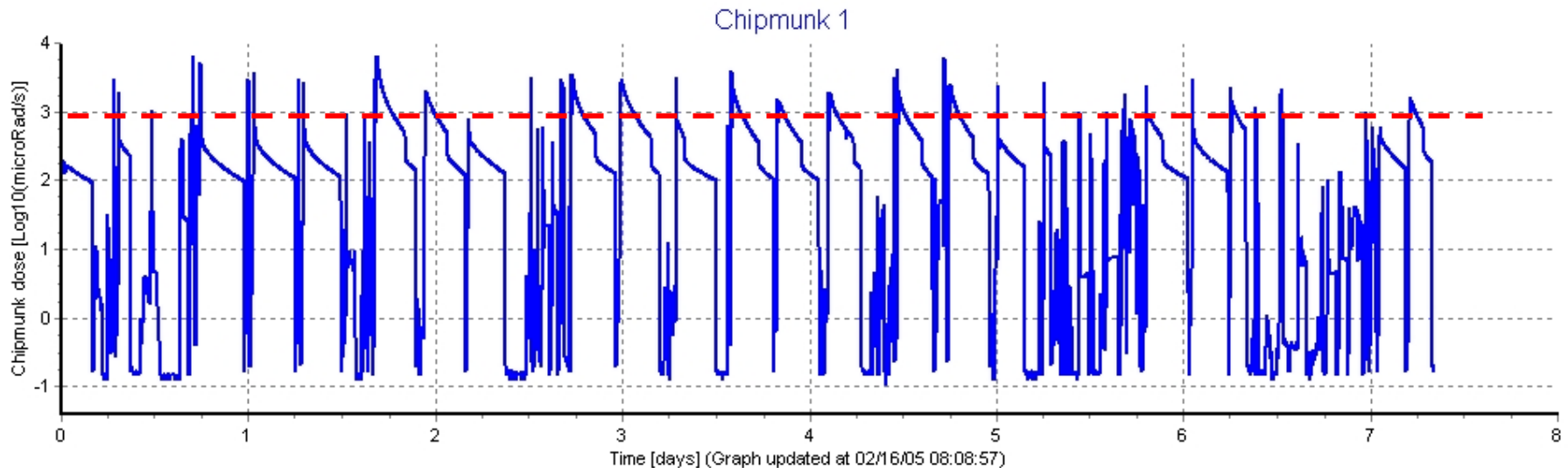
# Run Statistics



Smaller CuCu system requires ~3x more (720M events)  
for equivalent no. of tracks

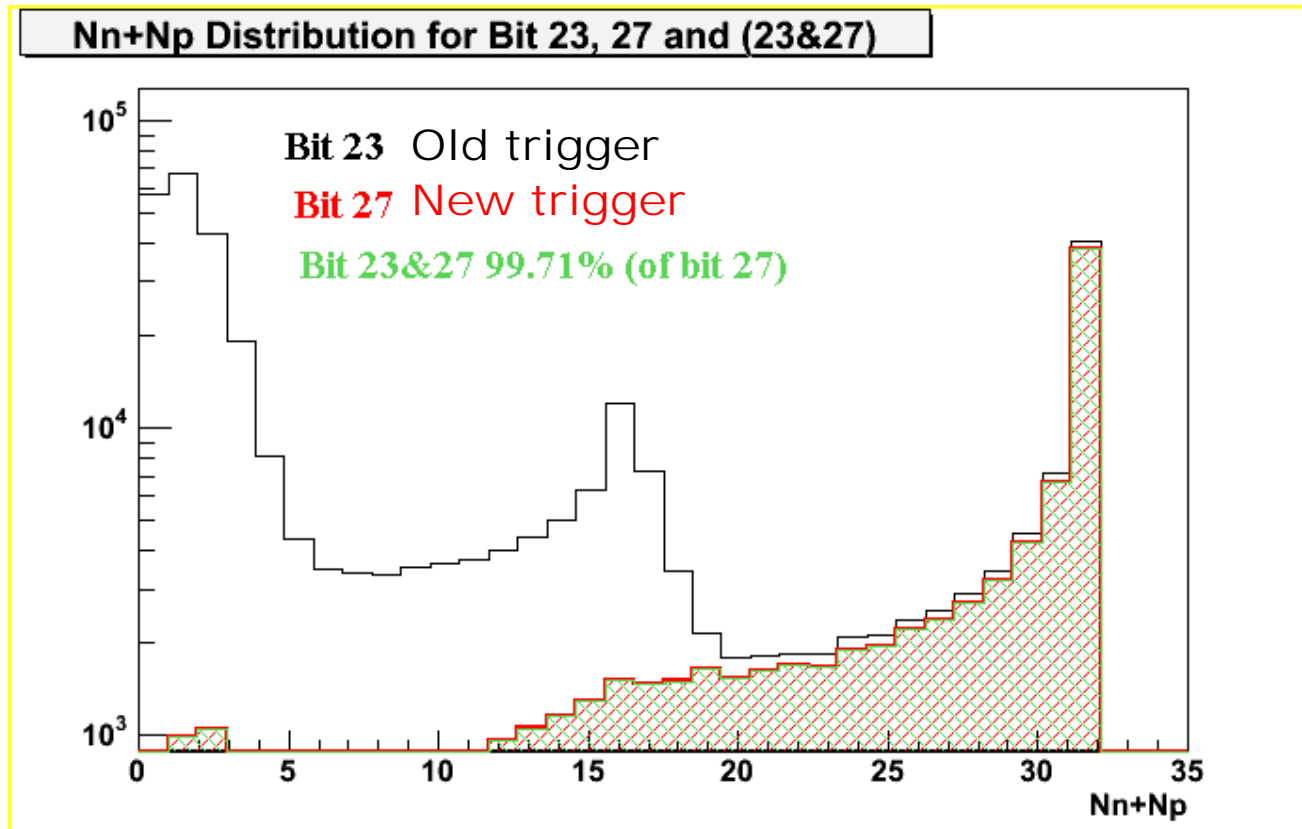
# Vacuum Breakdown Back

- Dose last week:



- Can't operate above  $1000 \mu\text{rad/sec}$ :
  - Too many Si latchups
- OK after the drop
- Data from in between is questionable

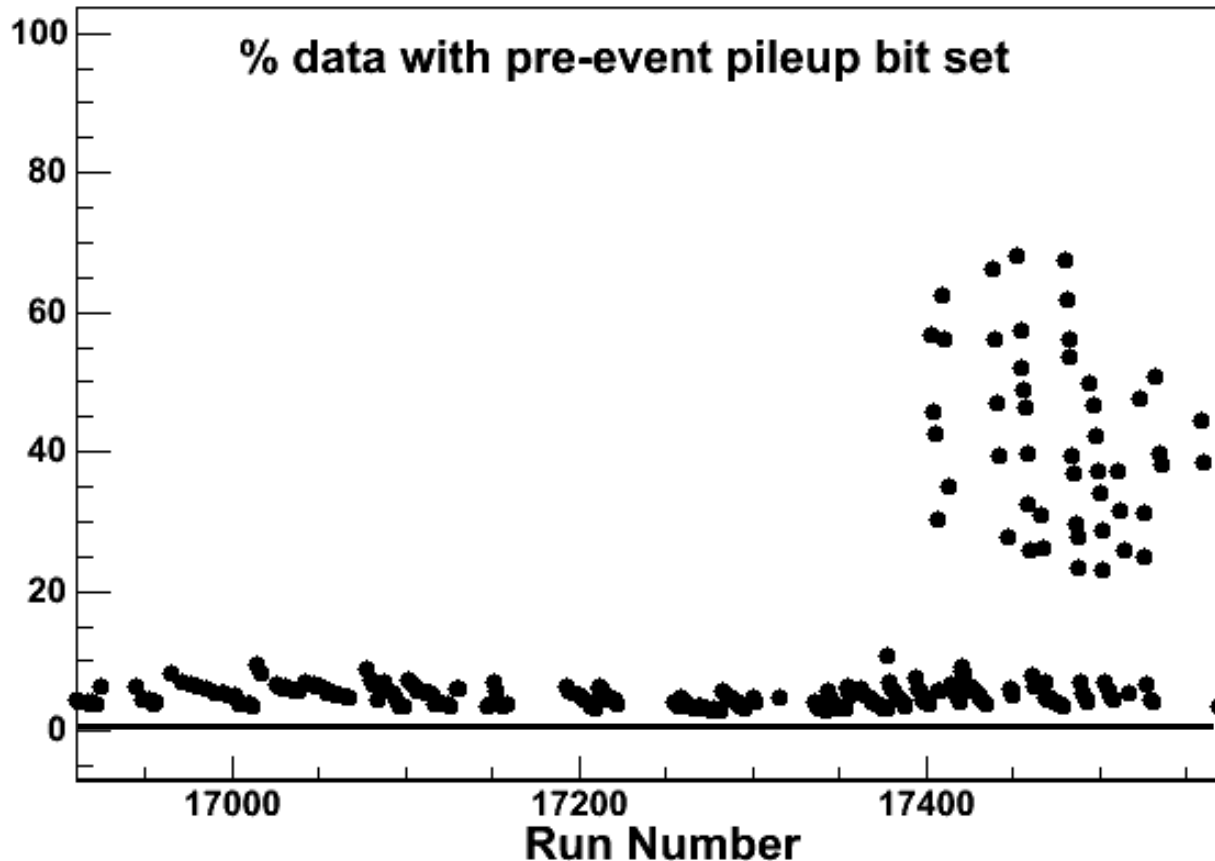
# Trigger Modified



- Background is mainly due to beam gas events
- Trigger successfully modified to reduce background

# Pileup from Background

Fraction of events within 5  $\mu\text{sec}$  from previous trigger



- But Si signal has  $\mu\text{sec}$  time constant
- Pileup fraction gets nasty compared to usual

# The Plan

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- Study pileup bit in detail:
  - Is data taken analyzable?
  - Use as hardware trigger?
    - Only a monitor & software cut in past
- Assume data is unrecoverable
- Work to recover it
- Goal is 720M events w/o high background
  - Refined from 400M-1G (2/2/2005)